



ILT-3 rabbit pAb

Cat No.:ES4582

For research use only

Overview

Product Name	ILT-3 rabbit pAb
Host species	Rabbit
Applications	IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human LILRB4. AA range:201-250
Specificity	ILT-3 Polyclonal Antibody detects endogenous levels of ILT-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Leukocyte immunoglobulin-like receptor subfamily B member 4
Gene Name	LILRB4
Cellular localization	Cell membrane ; Single-pass type I membrane protein . Ligand binding leads to internalization and translocation to an antigen-processing compartment. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	11006
Human Swiss-Prot Number	Q8NHJ6
Alternative Names	LILRB4; ILT3; LIR5; Leukocyte immunoglobulin-like receptor subfamily B member 4; CD85 antigen-like family member K; Immunoglobulin-like transcript 3; ILT-3; Leukocyte immunoglobulin-like receptor 5;





Background

LIR-5; Monocyte inhibitory receptor HM18; This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. The receptor can also function in antigen capture and presentation. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2

Immunofluorescence analysis of A549 cells, using LILRB4 Antibody. The picture on the right is blocked with the synthesized peptide.

